

$A-B-C$: WELDING PATH
 β : REFERENCE PATH
 θ : INCLINATION ANGLE
 ϕ : FORWARD ANGLE

FIG. 3

FIG. 2A

UTILITY/TORCH ORIENTATION/TRANSFORMATION//////////AXIS////50%/

PROGRAM

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1 TRANSFORMATION SOURCE PROGRAM: [TEST]
2 SCOPE: PART
3 START ROW: 34
4 END ROW: 38
5 PRODUCED/REPLACED: /REPLACED/
6 PROGRAM DESTINED TO BE TRANSFORMED: (UNUSED) [* * * * *]
7 INSERTION ROW: (UNUSED) * * * * *

PAGE IS CHANGED BY SHIFT + DOWN,SHIFT + UP
[SCREEN]

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FIG. 6

UTILITY/TORCH ORIENTATION/TRANSFORMATION//////////AXIS////50%/

DIRECT INPUTTING TORCH ORIENTATION

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1 REFERENCE PLANE TEACHING: YES
2 P1: /TEACHING EXECUTED /
3 P2: TEACHING EXECUTED
4 P3: TEACHING EXECUTED
5 INCLINATED ANGLE: . 00 deg
6 FORWARD ANGLE: . 00 deg

PAGE IS CHANGED BY SHIFT + DOWN,SHIFT + UP
[SCREEN] TRANSFORMATION REFER TO POSITION STORE POSITION>

FIG. 7

Variable	Mean	SD	Min	Max
Age	35.2	12.5	18	65
Gender	0.45	0.50	0	1
Marital Status	0.60	0.49	0	1
Education	12.5	2.1	9	16
Income	3500	1500	1000	8000
Health Status	0.75	0.43	0	1
Employment Status	0.80	0.41	0	1
Life Satisfaction	4.2	1.5	1	7
Stress Level	3.8	1.2	1	6
Work-Life Balance	4.5	1.3	1	7
Family Support	4.0	1.4	1	7
Community Involvement	3.5	1.1	1	6
Personal Growth	4.3	1.2	1	7
Financial Stability	3.9	1.3	1	6
Healthcare Access	4.1	1.2	1	6
Quality of Life	4.4	1.1	1	7
Life Expectancy	78.5	5.2	65	90
Mortality Rate	0.15	0.05	0	0.3
Healthcare Expenditure	1200	300	500	2000
Life Satisfaction Index	4.5	1.0	1	7
Stress Management	4.0	1.2	1	6
Work-Life Balance Score	4.2	1.1	1	6
Family Support Index	4.1	1.3	1	7
Community Involvement Score	3.8	1.0	1	6
Personal Growth Index	4.3	1.1	1	7
Financial Stability Index	3.9	1.2	1	6
Healthcare Access Score	4.1	1.1	1	6
Quality of Life Index	4.4	1.0	1	7
Life Expectancy (Years)	78.5	5.2	65	90
Mortality Rate (%)	0.15	0.05	0	0.3
Healthcare Expenditure (\$)	1200	300	500	2000
Life Satisfaction (Index)	4.5	1.0	1	7
Stress Management (Score)	4.0	1.2	1	6
Work-Life Balance (Score)	4.2	1.1	1	6
Family Support (Index)	4.1	1.3	1	7
Community Involvement (Score)	3.8	1.0	1	6
Personal Growth (Index)	4.3	1.1	1	7
Financial Stability (Index)	3.9	1.2	1	6
Healthcare Access (Score)	4.1	1.1	1	6
Quality of Life (Index)	4.4	1.0	1	7
Life Expectancy (Years)	78.5	5.2	65	90
Mortality Rate (%)	0.15	0.05	0	0.3
Healthcare Expenditure (\$)	1200	300	500	2000
Life Satisfaction (Index)	4.5	1.0	1	7
Stress Management (Score)	4.0	1.2	1	6
Work-Life Balance (Score)	4.2	1.1	1	6
Family Support (Index)	4.1	1.3	1	7
Community Involvement (Score)	3.8	1.0	1	6
Personal Growth (Index)	4.3	1.1	1	7
Financial Stability (Index)	3.9	1.2	1	6
Healthcare Access (Score)	4.1	1.1	1	6
Quality of Life (Index)	4.4	1.0	1	7

1 NO. OF POSITIONS : /2/
2 PITCH LENGTH : 3.00mm

PAGE IS CHANGED BY SHIFT + DOWN,SHIFT + UP
[SCREEN] EXECUTION

✓

FIG. 8

	1990-1991	1991-1992	1992-1993	1993-1994	1994-1995	1995-1996	1996-1997	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029	2029-2030	2030-2031	2031-2032	2032-2033	2033-2034	2034-2035	2035-2036	2036-2037	2037-2038	2038-2039	2039-2040	2040-2041	2041-2042	2042-2043	2043-2044	2044-2045	2045-2046	2046-2047	2047-2048	2048-2049	2049-2050	2050-2051	2051-2052	2052-2053	2053-2054	2054-2055	2055-2056	2056-2057	2057-2058	2058-2059	2059-2060	2060-2061	2061-2062	2062-2063	2063-2064	2064-2065	2065-2066	2066-2067	2067-2068	2068-2069	2069-2070	2070-2071	2071-2072	2072-2073	2073-2074	2074-2075	2075-2076	2076-2077	2077-2078	2078-2079	2079-2080	2080-2081	2081-2082	2082-2083	2083-2084	2084-2085	2085-2086	2086-2087	2087-2088	2088-2089	2089-2090	2090-2091	2091-2092	2092-2093	2093-2094	2094-2095	2095-2096	2096-2097	2097-2098	2098-2099	2099-2100	2100-2101	2101-2102	2102-2103	2103-2104	2104-2105	2105-2106	2106-2107	2107-2108	2108-2109	2109-2110	2110-2111	2111-2112	2112-2113	2113-2114	2114-2115	2115-2116	2116-2117	2117-2118	2118-2119	2119-2120	2120-2121	2121-2122	2122-2123	2123-2124	2124-2125	2125-2126	2126-2127	2127-2128	2128-2129	2129-2130	2130-2131	2131-2132	2132-2133	2133-2134	2134-2135	2135-2136	2136-2137	2137-2138	2138-2139	2139-2140	2140-2141	2141-2142	2142-2143	2143-2144	2144-2145	2145-2146	2146-2147	2147-2148	2148-2149	2149-2150	2150-2151	2151-2152	2152-2153	2153-2154	2154-2155	2155-2156	2156-2157	2157-2158	2158-2159	2159-2160	2160-2161	2161-2162	2162-2163	2163-2164	2164-2165	2165-2166	2166-2167	2167-2168	2168-2169	2169-2170	2170-2171	2171-2172	2172-2173	2173-2174	2174-2175	2175-2176	2176-2177	2177-2178	2178-2179	2179-2180	2180-2181	2181-2182	2182-2183	2183-2184	2184-2185	2185-2186	2186-2187	2187-2188	2188-2189	2189-2190	2190-2191	2191-2192	2192-2193	2193-2194	2194-2195	2195-2196	2196-2197	2197-2198	2198-2199	2199-2200	2200-2201	2201-2202	2202-2203	2203-2204	2204-2205	2205-2206	2206-2207	2207-2208	2208-2209	2209-2210	2210-2211	2211-2212	2212-2213	2213-2214	2214-2215	2215-2216	2216-2217	2217-2218	2218-2219	2219-2220	2220-2221	2221-2222	2222-2223	2223-2224	2224-2225	2225-2226	2226-2227	2227-2228	2228-2229	2229-2230	2230-2231	2231-2232	2232-2233	2233-2234	2234-2235	2235-2236	2236-2237	2237-2238	2238-2239	2239-2240	2240-2241	2241-2242	2242-2243	2243-2244	2244-2245	2245-2246	2246-2247	2247-2248	2248-2249	2249-2250	2250-2251	2251-2252	2252-2253	2253-2254	2254-2255	2255-2256	2256-2257	2257-2258	2258-2259	2259-2260	2260-2261	2261-2262	2262-2263	2263-2264	2264-2265	2265-2266	2266-2267	2267-2268	2268-2269	2269-2270	2270-2271	2271-2272	2272-2273	2273-2274	2274-2275	2275-2276	2276-2277	2277-2278	2278-2279	2279-2280	2280-2281	2281
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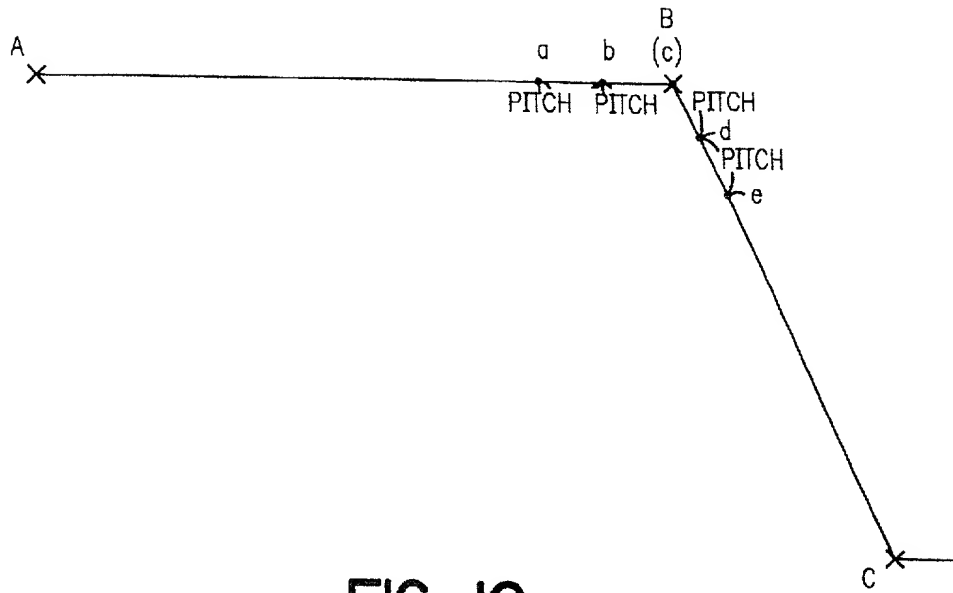


FIG. 10

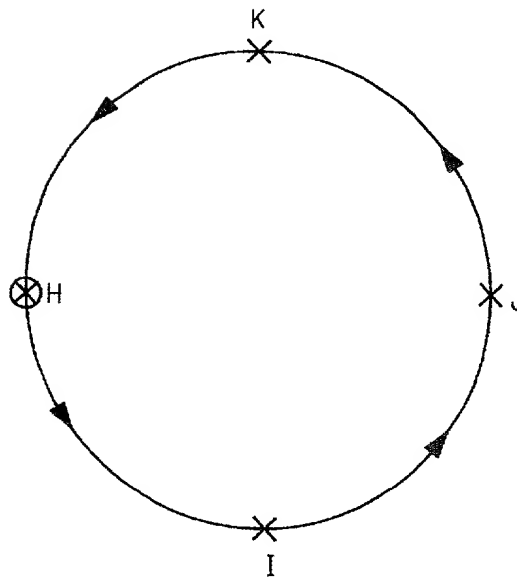


FIG. 11

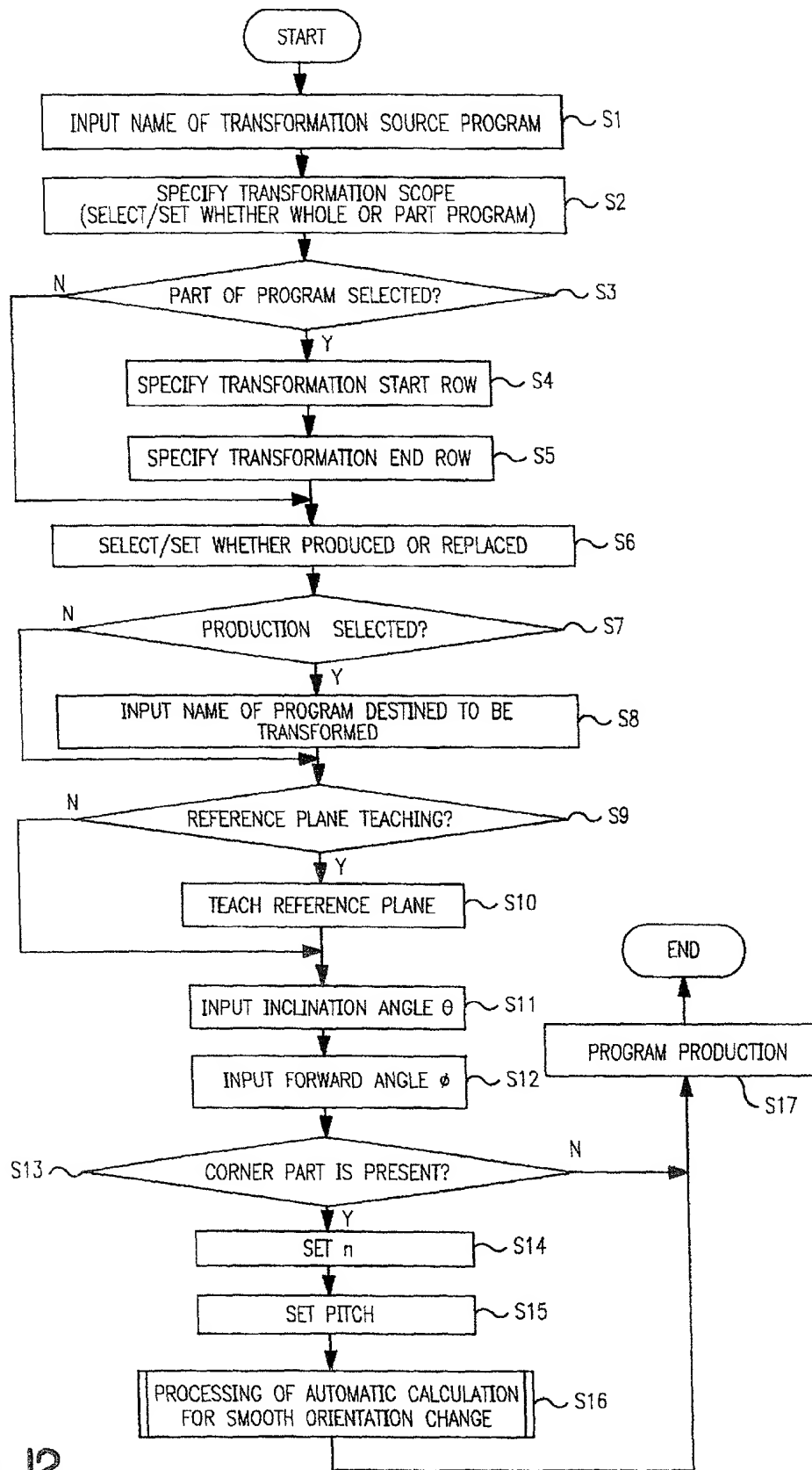


FIG. 12